



SEQUENCE LISTING

<110> GENENTEC, INC.
Takahashi, Nobuaki
Mikayama, Toshifumi

<120> SOLUBLE MAST CELL FUNCTION ASSOCIATED ANTIGEN (MAFA) PHARMACEUTICAL
COMPOSITIONS AND METHODS OF MAKING AND USING THEM

<130> 021286/0278719

<140> 09/811,367

<141> 2001-03-16

<150> 60/190,716

<151> 2000-03-17

<160> 20

<170> PatentIn version 3.0

<210> 1

<211> 189

<212> PRT

<213> Homo sapiens

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Gln Ala Gln Asn Asp Tyr Gly Pro Gln Gln Lys Ser Ser Ser Ser Lys
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Pro Ser Cys Ser Cys Leu Val Ala Ile Thr Leu Gly Leu Leu Thr Ala
35 40 45

Val Leu Leu Ser Val Leu Leu Tyr Gln Trp Ile Leu Cys Gln Gly Ser
50 55 60

Asn Tyr Ser Thr Cys Ala Ser Cys Pro Ser Cys Pro Asp Arg Trp Met
65 70 75 80

Lys Tyr Gly Asn His Cys Tyr Tyr Phe Ser Val Glu Glu Lys Asp Trp
85 90 95

Asn Ser Ser Leu Glu Phe Cys Leu Ala Arg Asp Ser His Leu Leu Val
100 105 110

Ile Thr Asp Asn Gln Glu Met Ser Leu Leu Gln Val Phe Leu Ser Glu
115 120 125

Ala Phe Cys Trp Ile Gly Leu Arg Asn Asn Ser Gly Trp Arg Trp Glu
 130 135 140

Asp Gly Ser Pro Leu Asn Phe Ser Arg Ile Ser Ser Asn Ser Phe Val
 145 150 155 160

Gln Thr Cys Gly Ala Ile Asn Lys Asn Gly Leu Gln Ala Ser Ser Cys
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Glu Val Pro Leu His Gly Val Cys Lys Lys Val Arg Leu
 180 185

<210> 2
 <211> 570
 <212> DNA
 <213> Homo sapiens

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 tgccagggct ccaactactc cacttgtgcc agctgtccta gctgcccaga ccgctggatg 240
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 ctgctccaag ttttctctcag tgaggccttt tgctggattg gtctgaggaa caattctggc 420
 tggaggtggg aagacggatc acctctaaac ttctcaagga tttcttctaa tagctttgtg 480
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 <212> PRT
 <213> Mus musculus

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Gln Val Gln Asp Glu Ser Arg Trp Lys Leu Lys Ala Val Leu His Arg
 20 25 30

Pro His Leu Ser Arg Phe Ala Met Val Ala Leu Gly Leu Leu Thr Val
 35 40 45

Ile Leu Met Ser Leu Leu Met Tyr Gln Arg Ile Leu Cys Cys Gly Ser
 50 55 60

Lys Asp Ser Thr Cys Ser His Cys Pro Ser Cys Pro Ile Leu Trp Thr
 65 70 75 80
 Arg Asn Gly Ser His Cys Tyr Tyr Phe Ser Met Glu Lys Lys Asp Trp
 85 90 95
 Asn Ser Ser Leu Lys Phe Cys Ala Asp Lys Gly Ser His Leu Leu Thr
 100 105 110
 Phe Pro Asp Asn Gln Gly Val Lys Leu Phe Gly Glu Tyr Leu Gly Gln
 115 120 125
 Asp Phe Tyr Trp Ile Gly Leu Arg Asn Ile Asp Gly Trp Arg Trp Glu
 130 135 140
 Gly Gly Pro Ala Leu Ser Leu Arg Ile Leu Thr Asn Ser Leu Ile Gln
 145 150 155 160
 Arg Cys Gly Ala Ile His Arg Asn Gly Leu Gln Ala Ser Ser Cys Glu
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 Val Ala Leu Gln Trp Ile Cys Lys Lys Val Leu Tyr
 180 185

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<211> 188
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<213> Rattus norvegicus

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Arg Val Gln Asp Asp Ser Arg Trp Lys Val Lys Ala Val Leu His Arg
20 25 30
Pro Cys Val Ser Tyr Leu Val Met Val Ala Leu Gly Leu Leu Thr Val
35 40 45
Ile Leu Met Ser Leu Leu Leu Tyr Gln Arg Thr Leu Cys Cys Gly Ser
50 55 60
Lys Gly Phe Met Cys Ser Gln Cys Ser Arg Cys Pro Asn Leu Trp Met
65 70 75 80
Arg Asn Gly Ser His Cys Tyr Tyr Phe Ser Met Glu Lys Arg Asp Trp
85 90 95
Asn Ser Ser Leu Lys Phe Cys Ala Asp Lys Gly Ser His Leu Leu Thr
100 105 110
Phe Pro Asp Asn Gln Gly Val Asn Leu Phe Gln Glu Tyr Val Gly Glu
115 120 125
Asp Phe Tyr Trp Ile Gly Leu Arg Asp Ile Asp Gly Trp Arg Trp Glu
130 135 140
Asp Gly Pro Ala Leu Ser Leu Ser Ile Leu Ser Asn Ser Val Val Gln
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Lys Cys Gly Thr Ile His Arg Cys Gly Leu His Ala Ser Ser Cys Glu
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Val Ala Leu Gln Trp Ile Cys Glu Lys Val Leu Pro
180 185

<210> 6
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<212> DNA
<213> Rattus norvegicus

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ccctgactgg atgattttcca cacacattga aatatcacac tgtgccccat aaatgtgtac     1320
aatcattatc tatccctaata ttccctaaaa attaaagaag tcccaattaa aataaaaaaat     1380
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<210> 9
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 <212> DNA
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 <223> Primer

<400> 9
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<210> 10
 <211> 34
 <212> DNA
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 <223> Primer

<400> 10
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<210> 12
 <211> 34
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<210> 13
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<223> Primer

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<213> Artificial Sequence

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<223> Primer

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<212> DNA

<213> Artificial Sequence

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<223> Primer

<400> 16

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<210> 17

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer

<400> 17

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<210> 18

<211> 32

<212> DNA

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<220>

<223> Primer

<400> 18

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<211> 35

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<210> 20

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<212> DNA

<213> Artificial Sequence

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<223> Primer

<400> 20

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